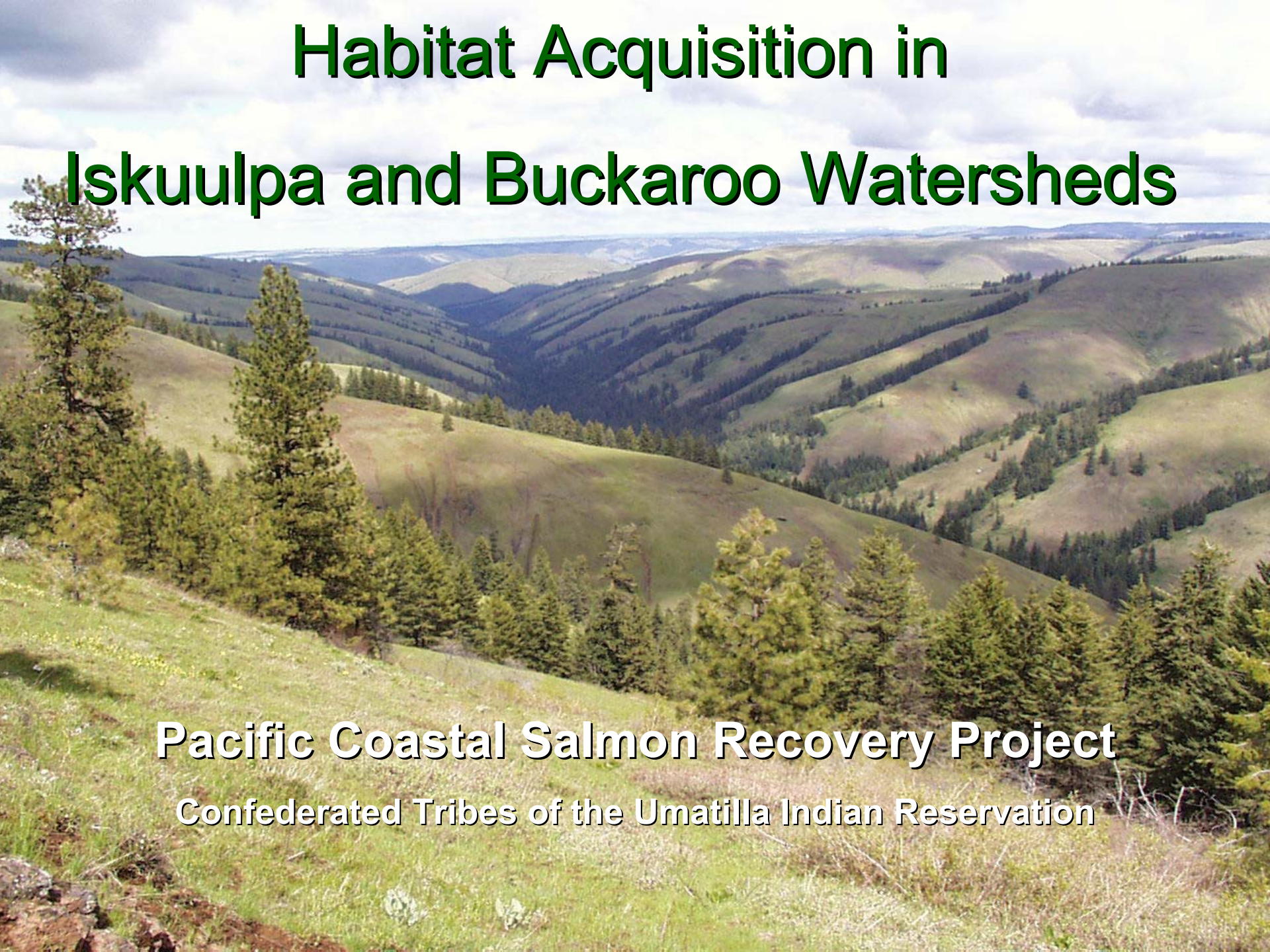
CONFEDERATED TRIBES OF THE UMATILLA INDIAN RESERVATION

PACIFIC COASTAL SALMON RECOVERY FUND PROJECTS COMPLETED:

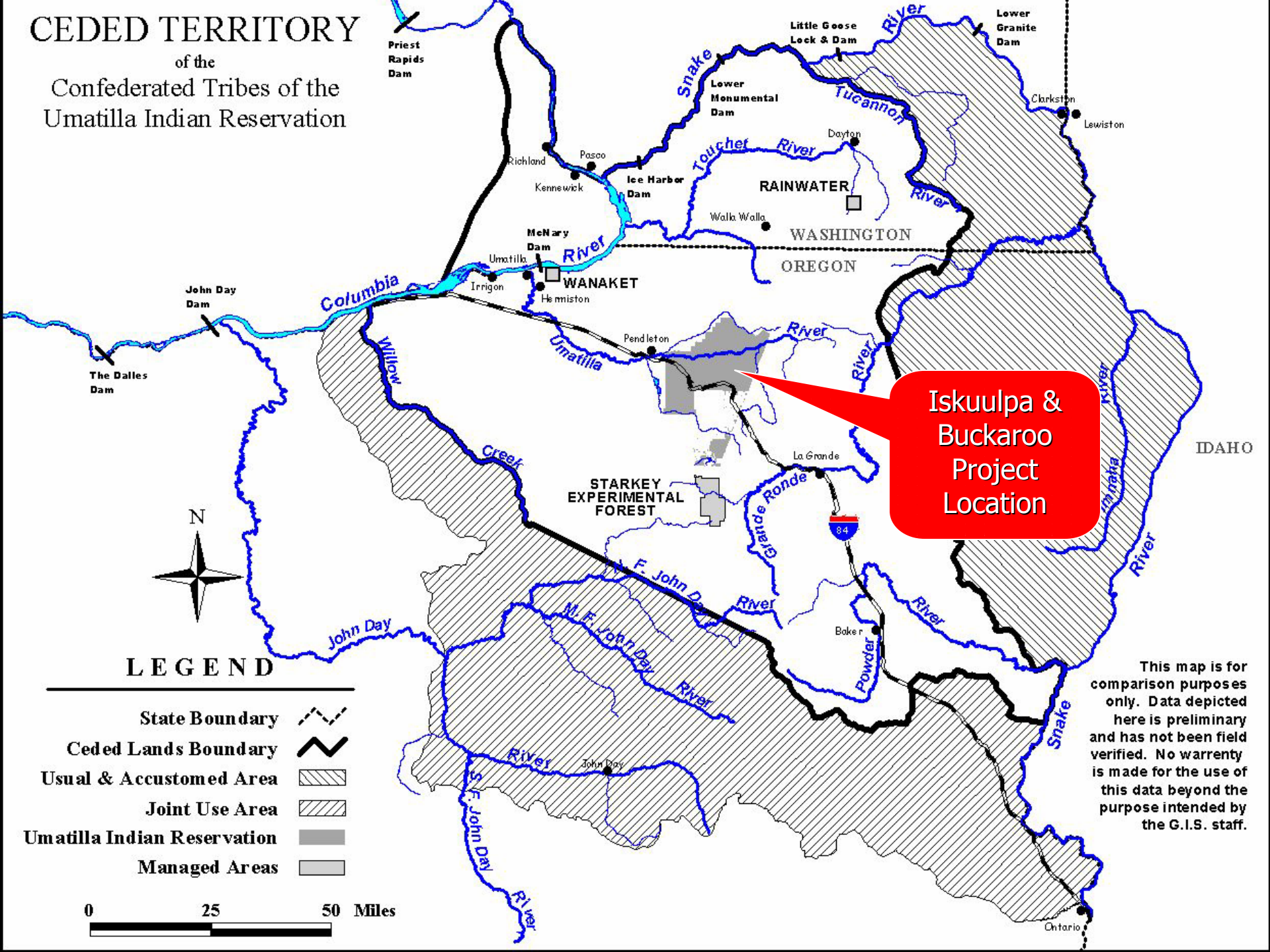
- Habitat Acquisition/Protection
- Habitat Enhancement
- Artificial Propagation
- Public Relations and Education

Habitat Acquisition in Iskuulpa and Buckaroo Watersheds



Pacific Coastal Salmon Recovery Project

Confederated Tribes of the Umatilla Indian Reservation


CEDED TERRITORY
of the
Confederated Tribes of the
Umatilla Indian Reservation
Priest Rapids Dam
Little Goose Lock & Dam
Lower Granite Dam
Lower Monumental Dam
Ice Harbor Dam
McNary Dam
John Day Dam
The Dalles Dam
Snake River
Columbia River
Tucannon River
Touchet River
Walla Walla River
Umatilla River
Willow Creek
John Day River
N. F. John Day River
M. F. John Day River
S. F. John Day River
Grande Ronde River
Powder River
Imnaha River
Richland
Pasco
Kennewick
Dayton
Clarkston
Lewiston
Walla Walla
Umatilla
Irrigon
Hermiston
Pendleton
La Grande
Baker
John Day
Ontario
RAINWATER
WANAKET
STARKEY EXPERIMENTAL FOREST
WASHINGTON
OREGON
IDAHO
84
Iskuulpa & Buckaroo Project Location
LEGEND
State Boundary
Ceded Lands Boundary
Usual & Accustomed Area
Joint Use Area
Umatilla Indian Reservation
Managed Areas
0 25 50 Miles
This map is for comparison purposes only. Data depicted here is preliminary and has not been field verified. No warrenty is made for the use of this data beyond the purpose intended by the G.I.S. staff.

Threatened Summer Steelhead Spawning Habitat

Photo by R. Alexander

Iskuulpa Creek
- Anadromous Use-

1. Est. 23 miles of anadromous and resident fish habitat

2. 1994 - Estimated salmonid population = 37,611

3. Summer steelhead listed as *Threatened* under ESA

4. 6.7 Mile Steelhead Spawning Index Reach:
    - Average of 61 redds per year
    - High of 134 (20 per mile) in 2002
    - Average redd density/year = 9.1/mile
    - Highest spawning density in Umatilla Basin

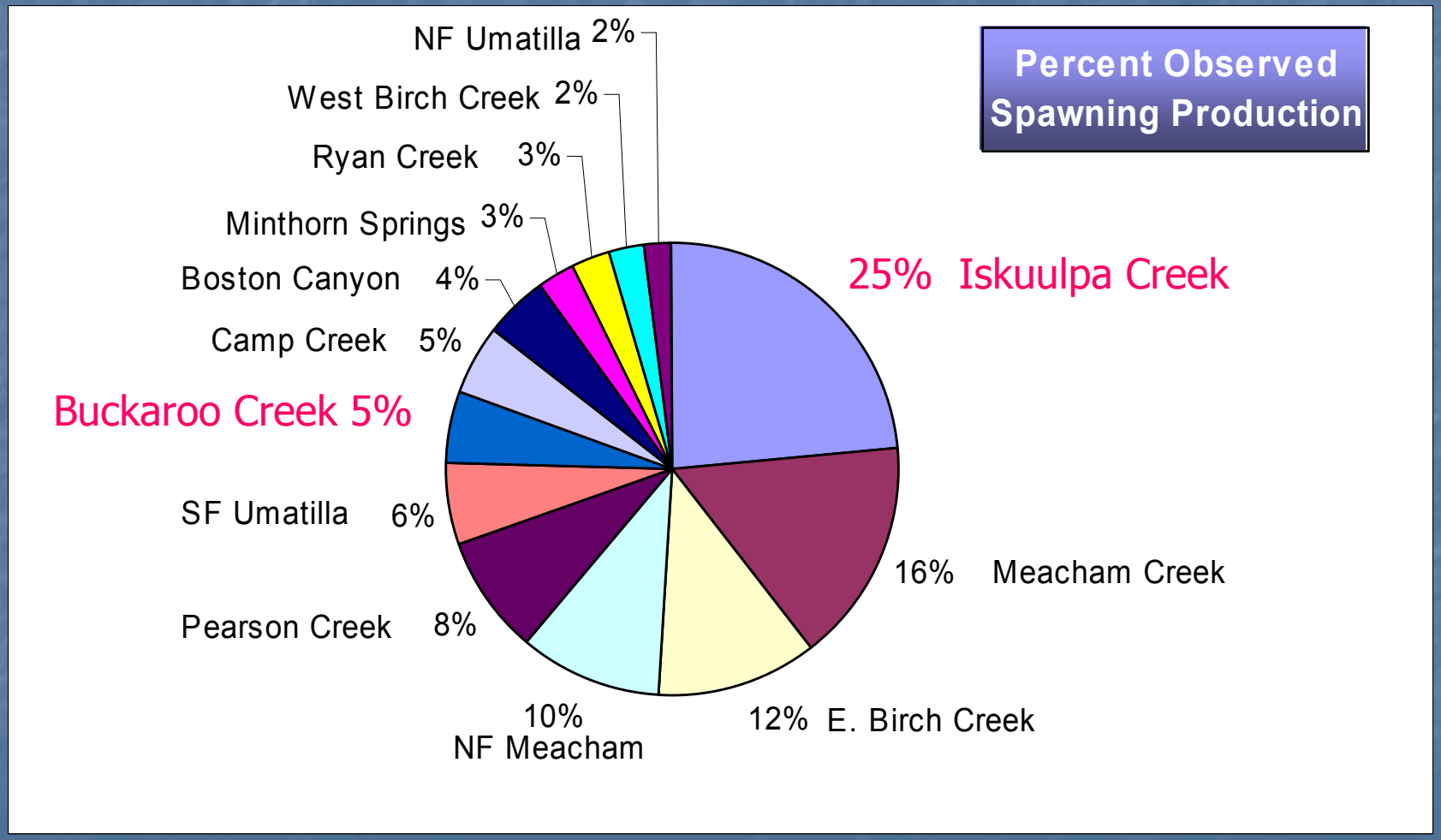
Buckaroo Creek
- Anadromous Use-

1. Over 17.7 miles riverine habitat.

2. Est. 5.25 miles of anadromous and resident fish habitat.

3. 3.0 Mile Spawning Index Reach:
    - Average of 13 redds per year
    - High of 53 (18 per mile) in 2002
    - Average redd density/year = 4.3 redds/mile
    - Seventh in the Umatilla subbasin in terms of summer steelhead spawning density in index reaches.

-Umatilla Subbasin Summer Steelhead Spawning -



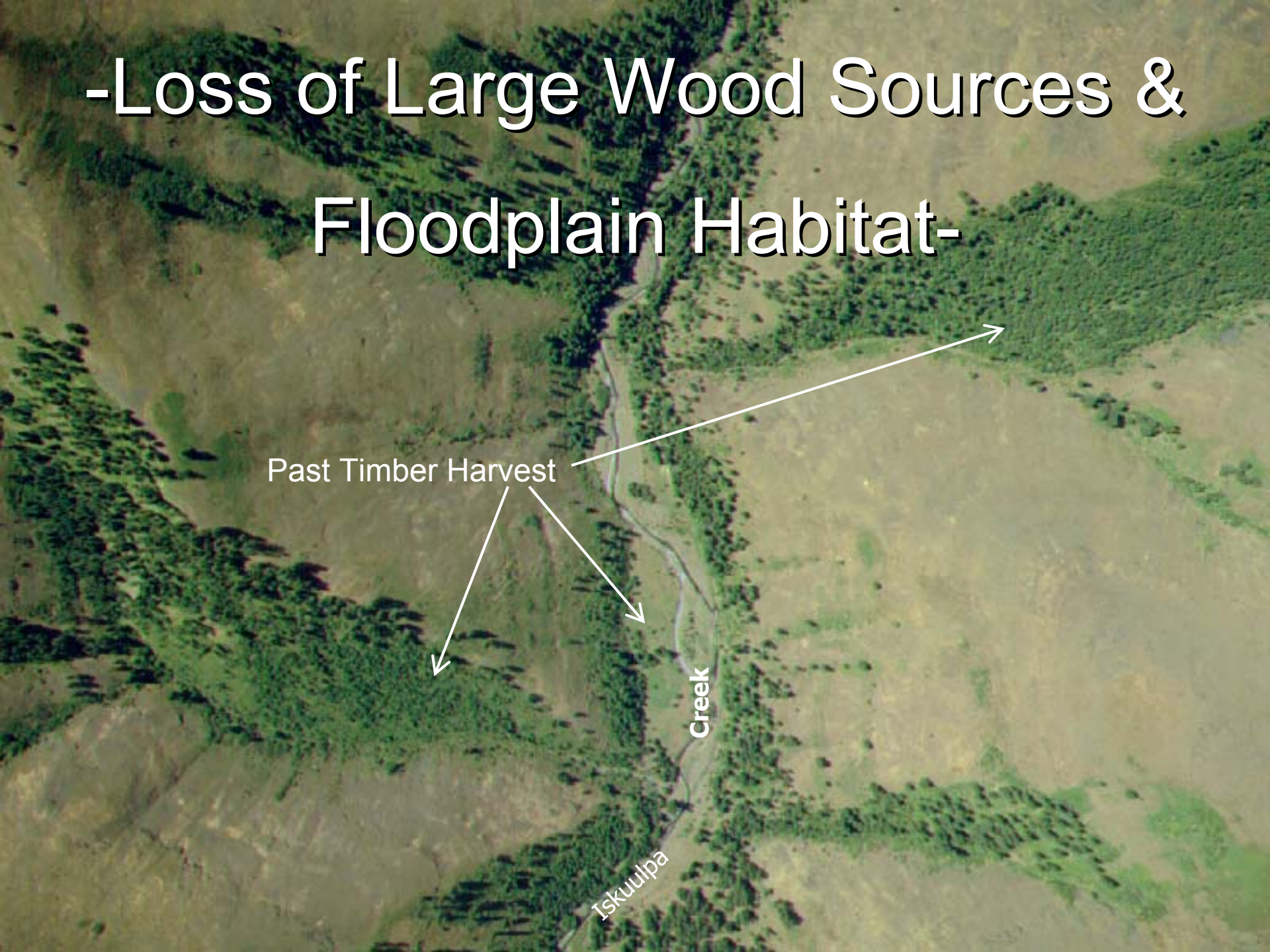
Iskuulpa & Buckaroo Account for Nearly 1/3 of the Observed Natural Summer Steelhead Production in the Umatilla Subbasin.

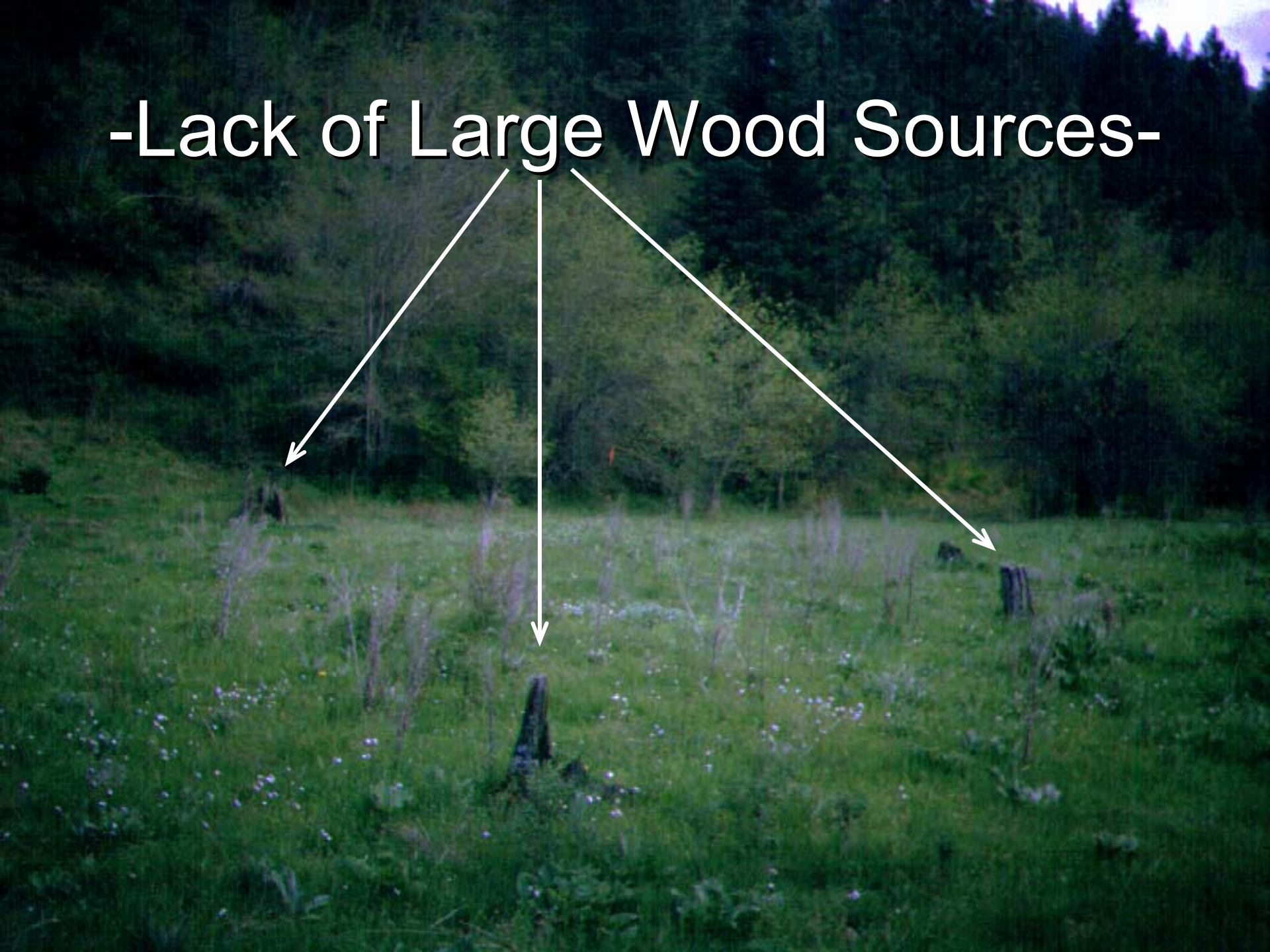
-Limiting Factors-

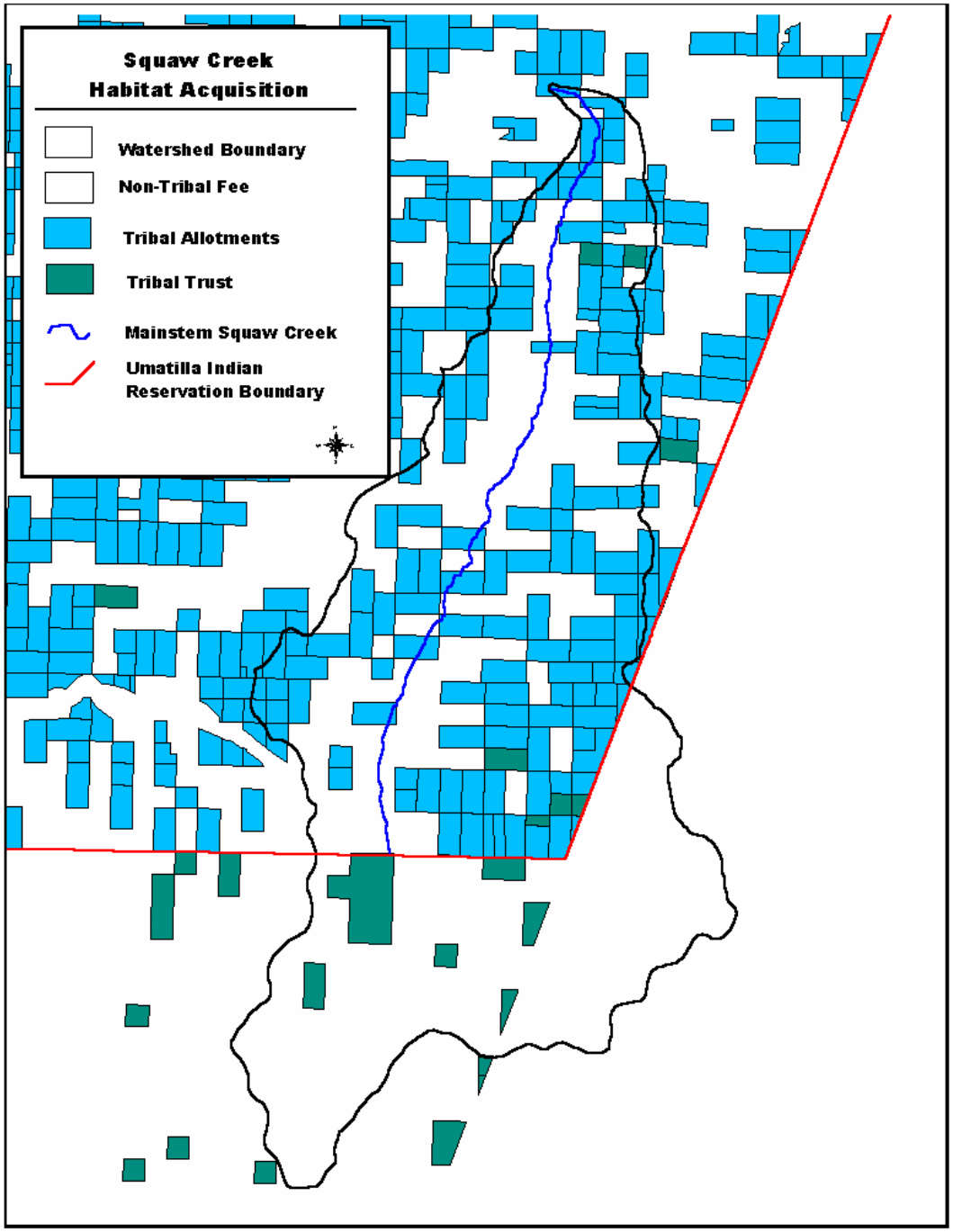
-Iskuulpa Creek-

Parameter	Existing	Goal
7-Day Temperature Average F	> 75	< 68
Base Stream Flows (CFS):	< 1	Inc
LWD (No./Mile)	3.7	60
Width:Depth Ratios -		
Reach 1 - 2 :	52.4	29.3
Reach 3 - 5:	28.6	16.6

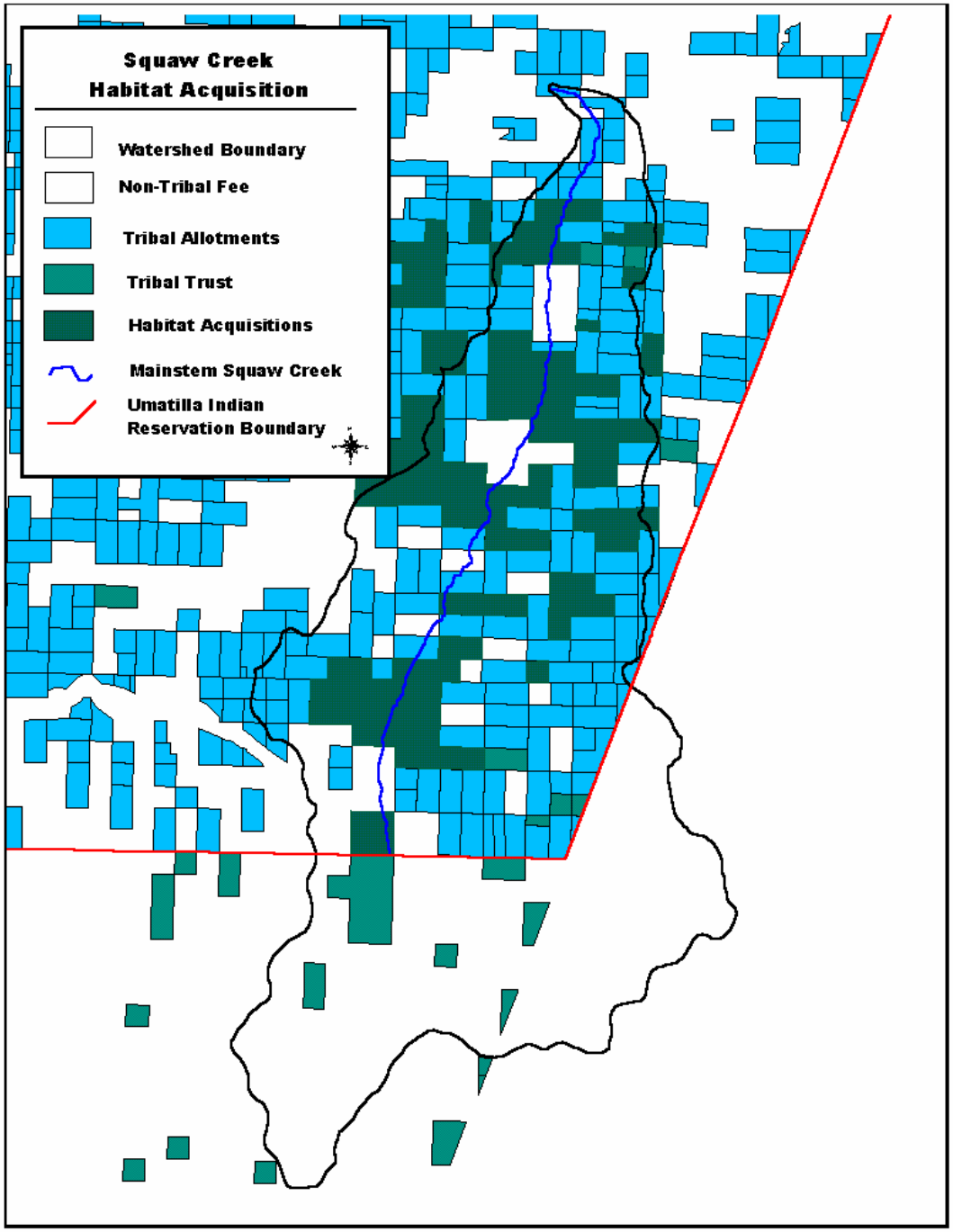
-Loss of Large Wood Sources & Floodplain Habitat-




-Lack of Large Wood Sources-



Land Ownership 1996



Land Ownership 2002

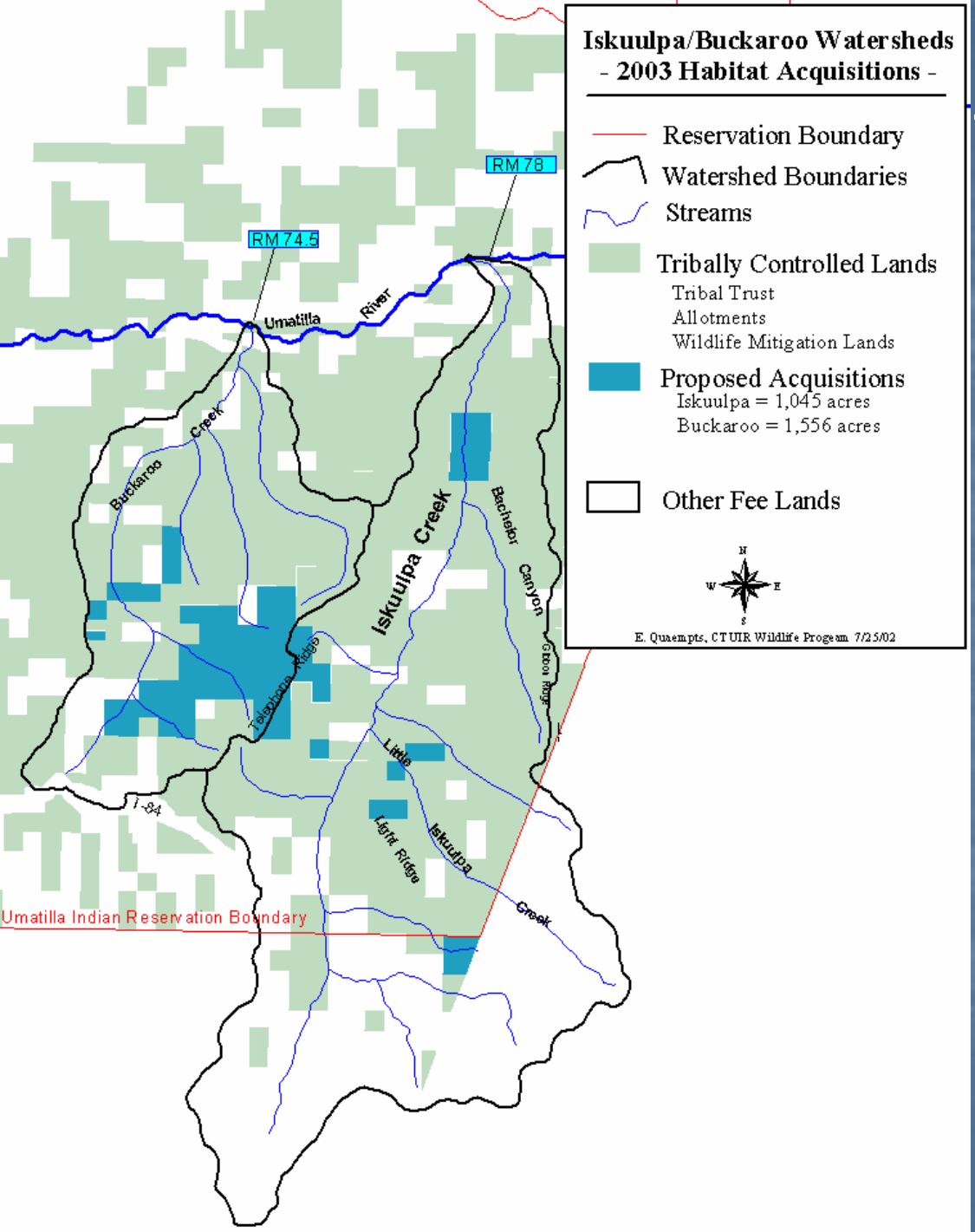
- To date, acquired 5,942 acres of habitat with BPA funding.
- Acquired 80 acres of habitat with CRITFC PCSR funding.

-Other Accomplishments-

- Annual acquisition of grazing leases for 20,000 acres, with 5 years of livestock exclusion.
- Implemented seasonal road closure to protect spawning salmonids.
- Secured BPA funding FY02 - FY04

  FY02 = $222,268 FY03 = $228,245 FY04 = $240,161

- Purchased & stockpiled 150 whole trees for LWD Addition Project in FY03.
- Completed resource reports for Watershed Management Plan



-Priority Acquisitions-

Iskuulpa = 1,045 Ac

Buckaroo = 1,556 Ac

-Proposed Enhancements-

LWD Additions FY03

Iskuulpa = 125 Trees

Buckaroo = 25 Trees

Mission Creek Passage Project

OBJECTIVES:

1. Improve fish passage by installing a natural bottom arch culvert.
2. Improve channel stability by increasing culvert capacity and re-vegetating banks with native plants.

Mission Creek Passage Project

ACCOMPLISHMENTS:

1. Opened up 3.4 miles of upstream habitat.
2. Improved culvert capacity to pass a 100-year event.
3. Revegetated area with native grasses and trenched in willow cuttings.

Mission Creek Passage Project

MONITORING:

1. Salmonid utilization using electrofishing surveys.
2. Native vegetation recovery using photopoints.
3. Stream temperatures.

Mission Creek Passage Project

PROJECT COST SHARE	
Pacific Coastal Salmon Recovery Funds through CRITFC	$ 11,300.00
CTUIR – BPA dollars for materials	$ 3,425.15
CTUIR – BPA in-kind labor for planning, implementation, and monitoring	Unknown
ODOT in-kind labor	$ 18,808.68
ODOT in-kind equipment	$ 4,499.03
ODOT materials	$ 1,406.38
TOTAL COST	***$ 39,439.24***

Mission Creek Passage Project

PROBLEM:

- A 6-foot diameter pipe culvert was set at a lower gradient than the natural channel bed, resulting in 2-3 foot drop at the downstream end.
- This drop created a partial migration barrier for both juvenile and adult steelhead, regardless of flow volume.

Whiskey Creek Passage Project

PROBLEM:

- An abandoned irrigation dam effectively blocked all upstream migration to rearing and potential spawning habitat.
- WDFW found summer steelhead/redband trout up to, but not above, the structure in every year they sampled.

Whiskey Creek Passage Project

OBJECTIVES:

1. Modify dam to allow passage for both juvenile and adult steelhead
2. Stabilize channel grade
3. Diversify instream habitat
4. Develop artificial floodplain within the incised channel

Whiskey Creek Passage Project

ACCOMPLISHMENTS:

1. Removed dam and opened up 10 miles of upstream habitat.
2. Constructed 5 rock weirs to create step-pools.
3. Placed large wood in 900 feet of stream channel.
4. Planted conifers and cottonwoods to provide shade and a source for future recruitment of large woody debris.

Whiskey Creek Passage Project

MONITORING:

1. Native vegetation recovery surveys shows plants are surviving well.
2. Future fish surveys will determine whether salmonids are now utilizing available upstream habitat.

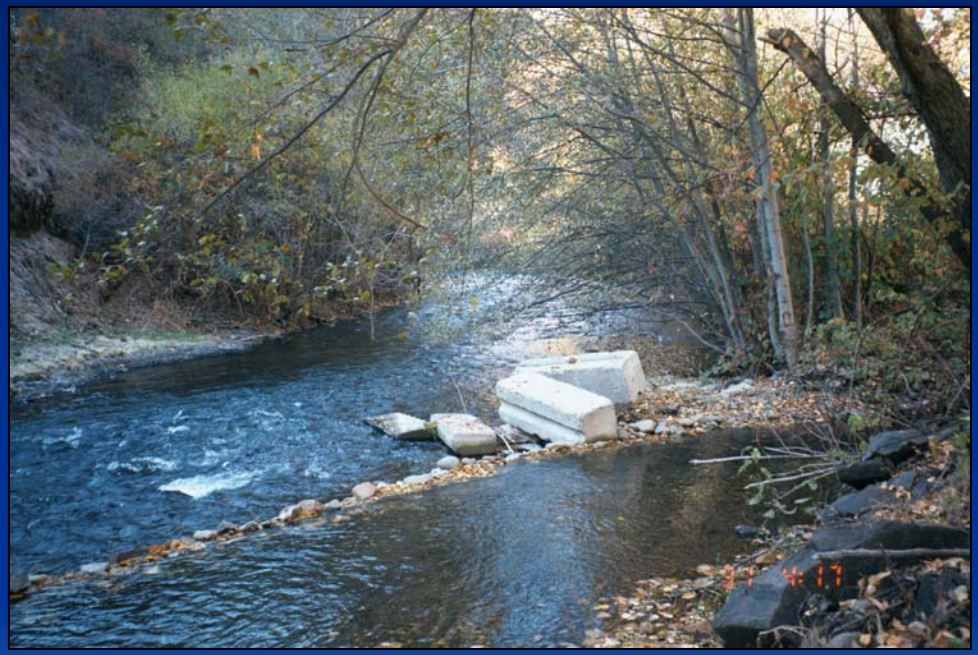
Whiskey Creek Passage Project

PROJECT COST SHARE	
Pacific Coastal Salmon Recovery Funds through CRITFC	$ 8,500.00
Salmon Recovery Funding Board	$ 57,000.00
CTUIR & WDFW – in-kind labor for planning, implementation, and monitoring	Unknown
TOTAL COST	***$ 65,500.00***

Walla Walla Passage Project

PROBLEM:

- Three gravel irrigation diversion berms are constructed annually at two sites by pushing up river gravel across much of the stream channel - disturbing the substrate.
- The berms impede passage for steelhead, bull trout and spring chinook.



Walla Walla Passage Project

OBJECTIVES:

1. Replace three gravel push-up berms with two permanent rock weir structures.
2. Improve irrigation ditches.

Walla Walla Passage Project

ACCOMPLISHMENTS:

1. A head gate and water measuring ramp flume have been installed both sites.
2. Planning and design has been completed and ESA consultation is under way.
3. Construction will begin in the 2003 summer instream work window.

Walla Walla Passage Project

PROJECT COST SHARE	
Salmon Recovery Funding Board – planning, design and construction	$ 30,000.00
Oregon Watershed Enhancement Board – irrigation ditch improvements	$ 9,325.43
Private landowner – irrigation ditch improvements	$ 9,325.43
OWEB – implementation	Funds pending
Private landowner – implementation	Funds pending
COST TO DATE	***$ 48,650.86***

PURCHASE OF FISH TRANSPORTATION VEHICLE

FISH TRANSPORTATION VEHICLE FEATURES

- **3500 Gallons**
- **Tractor-trailer unit**
- **Equipped to haul adults or juveniles**
- **Cost $213,000**
- **To be used to address increasing needs of existing and new hatchery and fish transport programs in Northeast Oregon and Southeast Washington**
- **Will help as a cost share to these programs**

USE OF FISH TRANSPORT VEHICLE

Juvenile Release Into Acclimation Facilities

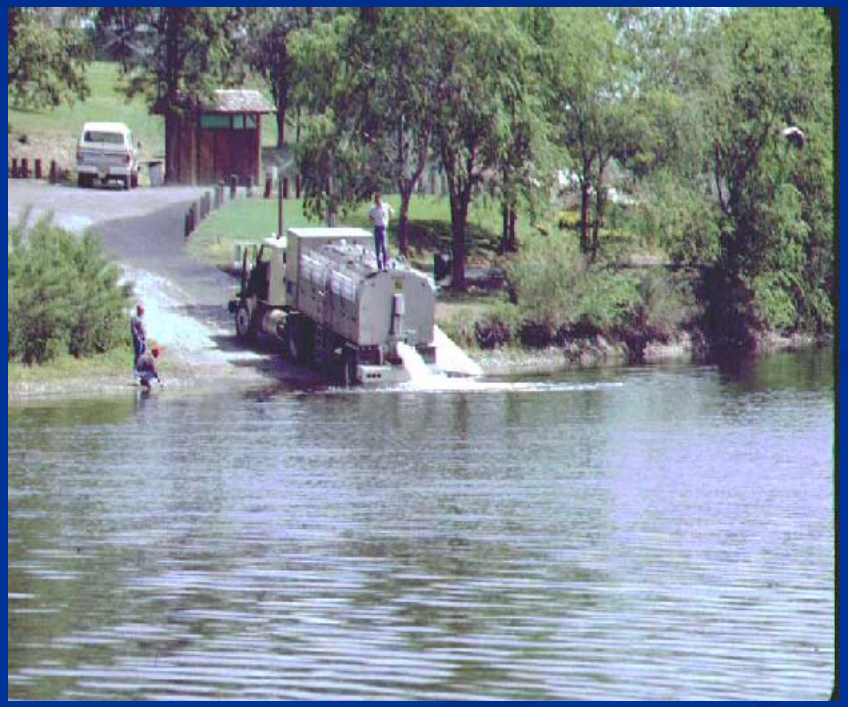
USE OF FISH TRANSPORT VEHICLE

Transport and release of adults for holding and spawning

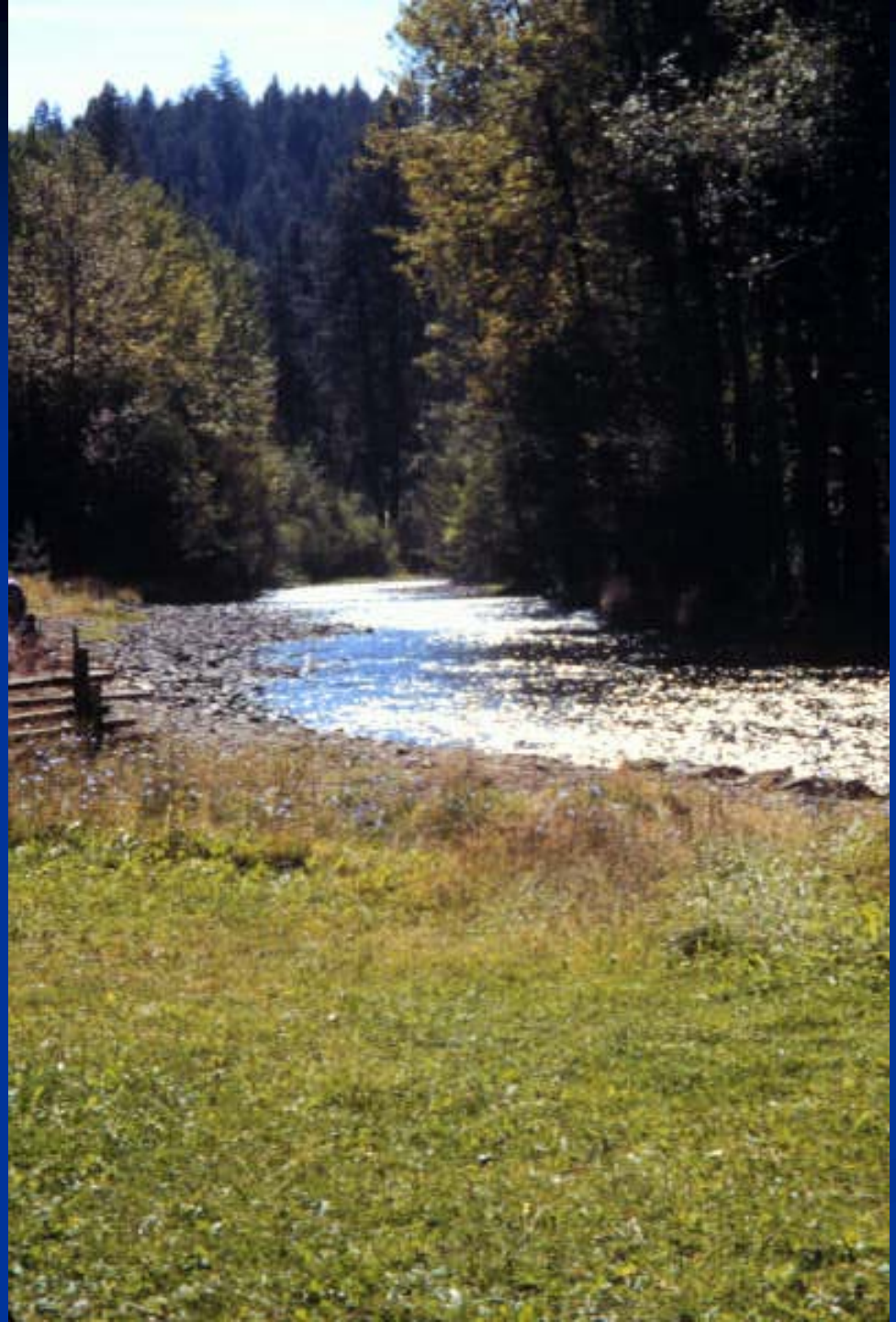
USE OF FISH TRANSPORT VEHICLE

Release of Adults for Reintroduction and/or Enhancement

USE OF FISH TRANSPORT VEHICLE



Adult or juvenile fish trap and haul operations



Confederated Tribes of the Umatilla Indian Reservation

Department of Natural Resources

Environmental Outreach Program

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(541)966-2352

Department of Natural Resources

Environmental Outreach Program

<u>Mission Statement:</u>

"To educate and inform both Indian and non-Indian community members about the Tribes Natural Resources programs and projects and how those projects ensure the continued existence of Tribal culture."

Salmon Expedition

Salmon Expedition brings students , teachers and parents to the “field” introducing them to natural and artificial ways of salmon recovery on the Umatilla River.

Tribal Botanist and Tribal member, Cheryl Shippentower teachers area youth about native and non-native plants and their function in the riparian areas along the Umatilla River.

Salmon Expedition pays for the much needed busing costs, as most Oregon schools are operating without adequate budgets.

Salmon Expedition curriculum is written to assist Oregon students in meeting State benchmarks set by the Oregon Department of Education.

Salmon Walk-Run & Cycle

Salmon Walk Run & Cycle is held the third Saturday in August every year. Race enthusiasts join the Tribe for physical Fitness activities, awards and a fund raiser Salmon Bake.

All proceeds from T-shirts sales and Salmon Bake tickets are used to promote youth natural recourse awareness, Salmon Expedition.

Paying for busing, special Tribal dance events and admission costs to the Tribes Tamastslikt Cultural Institute.

Thank the Creator, for the salmon bring us together again……

Salmon Walk 1996 – Folks viewing naturally spawning Salmon at the North Fork of the Umatilla & Catherine Creek

Salmon Walk is a cooperative effort by many community & agency groups
Umatilla National Forest, Stewards of the Umatilla River Environment, Umatilla County Health Department, Umatilla Basin Watershed Council, Soil & Water Conservation Dist. and others…

Umatilla National Forest brings the Salmon Tent every year and provides a story teller to work along side a Tribal story teller.

- **Projected Outreach Budget / Salmon Walk & Salmon Expedition**

Advertising	$6650.00 – PCSRF & donations
Food	$500.00 – donated
T-shirts	$3000.00 – CTUIR / donations
Race Equipment	$500.00 - CTUIR
Rental Equip.	$500.00 - CTUIR
Tamastslikt Students Tours	$3000.00 – PCSRF
Busing	$2500.00 – PCSRF
Printing & duplication	$500.00 - CTUIR

Donators: Port of Pasco, Port of Kennewick, Port of Umatilla, Pendleton Grain Growers, Umatilla National Forest, City of Pendleton and others…..

CONFEDERATED TRIBES OF THE UMATILLA INDIAN RESERVATION

PACIFIC COASTAL SALMON RECOVERY FUND PROJECTS ONGOING:

- Grande Ronde Water Rights Acquisition
- Native Plant Nursery Operations Assist.
- Revived Hatchery Spring Chinook Ops.
- Conservation Easement – 3 river miles


Questions?